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(81) 指定国 (表示のない限り、全ての種類の国内保護が可能): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

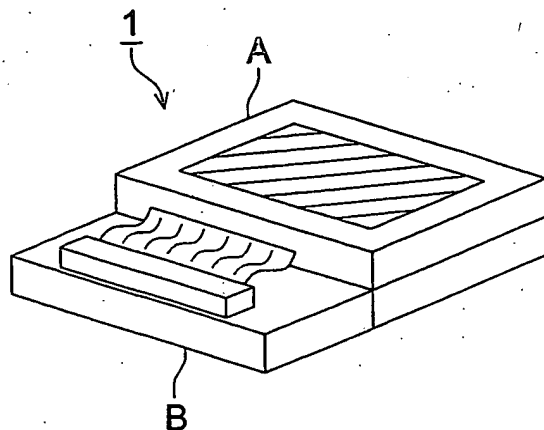
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添付公開書類:
— 国際調査報告書

[続葉有]

(54) Title: MATERIAL FOR ORGANIC ELECTROLUMINESCENT DEVICE, ORGANIC ELECTROLUMINESCENT DEVICE, ILLUMINATING DEVICE AND DISPLAY

(54) 発明の名称: 有機エレクトロルミネッセンス素子用材料、有機エレクトロルミネッセンス素子、照明装置、表示装置



(57) Abstract: An organic EL device is disclosed which has excellent characteristics such as high luminous efficiency, good external quantum efficiency, and long driving duration in case where it is driven at a high temperature of 50°C. An illuminating device and a display using such an organic EL device are also disclosed. A material for organic EL devices which can be preferably used for such an organic EL device is further disclosed.

(57) 要約: 発光輝度が高く、外部取り出し量子効率が良いであり、且つ、50°Cでの高温駆動時における駆動寿命が長いという優れた特徴を示す有機EL素子、該有機EL素子を用いた照明装置および表示装置を提供し、更に、前記有機EL素子として好適に用いられる有機EL素子材料を提供することができた。

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- 請求の範囲の補正の期限前の公開であり、補正書受領の際には再公開される。

2 文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

PCT

NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

KONICA MINOLTA TECHNOLOGY CENTER,
INC. INTELLECTUAL PROPERTY &
LICENSING DEPARTMENT
1, Sakura-machi
Hino-shi, Tokyo 191-8511
Japan

Date of mailing (day/month/year) 03 June 2004 (03.06.2004)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference F04-03006507	
International application No. PCT/JP2004/005621	
International filing date (day/month/year) 20 April 2004 (20.04.2004)	
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 23 April 2003 (23.04.2003)
Applicant KONICA MINOLTA HOLDINGS, INC. et al	

- By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- (If applicable) An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
23 April 2003 (23.04.2003)	2003/117886	JP	13 May 2004 (13.05.2004)
23 Janu 2004 (23.01.2004)	2004/15487	JP	13 May 2004 (13.05.2004)

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

PETRESKA Gorica

Facsimile No. (41-22) 338.90.90

Telephone No. (41-22) 338 9999

From the INTERNATIONAL BUREAU

PCT

FIRST NOTICE INFORMING THE APPLICANT OF
THE COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES WHICH
DO NOT APPLY THE 30 MONTH TIME LIMIT
UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

20040370

KONICA MINOLTA TECHNOLOGY CENTER, INC.
INTELLECTUAL PROPERTY & LICENSING
DEPARTMENT
1, Sakura-machi
Hino-shi, Tokyo 191-8511
JAPON

Date of mailing (day/month/year)

25 November 2004 (25.11.2004)

Applicant's or agent's file reference

F04-03006507

IMPORTANT NOTICE

International application No.

PCT/JP2004/005621

International filing date (day/month/year)

20 April 2004 (20.04.2004)

Priority date (day/month/year)

23 April 2003 (23.04.2003)

Applicant

KONICA MINOLTA HOLDINGS, INC. et al

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), does apply, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).

2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, does not apply, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
04 November 2004 (04.11.2004)

CH

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, does not apply, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

FI, LU, SE, TZ, UG, ZM

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. **TIME LIMITS** for entry into the national phase

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of 19 months from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 20 MONTHS from the priority date.

In practice, time limits other than the 20-month time limit will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For regular updates on the applicable time limits (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO

34, chemin des Colombettes

1211 Geneva 20, Switzerland

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